| Index of Claims                                                                                                 |              |          |            |          |          |         |           |            |                 |          |              | ^        | Application No.      |              |                    |           |           |         |              |          |            | Applicant(s) |              |       |                 |                     |          |         |     |   |
|-----------------------------------------------------------------------------------------------------------------|--------------|----------|------------|----------|----------|---------|-----------|------------|-----------------|----------|--------------|----------|----------------------|--------------|--------------------|-----------|-----------|---------|--------------|----------|------------|--------------|--------------|-------|-----------------|---------------------|----------|---------|-----|---|
|                                                                                                                 |              |          |            |          |          |         |           |            |                 |          |              |          | 1                    | 10/735,161   |                    |           |           |         |              |          |            |              | PARK, HYUN-W |       |                 |                     |          | )       |     |   |
|                                                                                                                 |              |          |            |          |          |         |           |            |                 |          |              |          |                      | Examiner     |                    |           |           |         |              |          |            | Art Unit     |              |       |                 |                     |          |         |     |   |
|                                                                                                                 |              |          |            |          |          |         |           |            |                 |          |              | ١.       | Alamandas B G''      |              |                    |           |           |         |              |          |            |              |              |       |                 |                     |          |         |     |   |
| , 120101 1001 10010 1001 10110 1011 11010 1101 1101 1101 1101 1101 1101 1101 1101 1101 1101 1101 1101 1101 1101 |              |          |            |          |          |         |           |            |                 |          |              |          |                      | ĮΑ           | Alexander D Gilman |           |           |         |              |          |            |              | 2833         |       |                 |                     |          |         |     | - |
|                                                                                                                 |              |          |            |          |          |         |           |            |                 |          |              |          |                      |              |                    |           |           |         |              |          |            | П            |              |       |                 |                     | $\neg$   |         |     |   |
| √   Rejected                                                                                                    |              |          |            |          |          |         |           |            |                 | (1       | hrou<br>Ca   | ral)     | Non-Elected          |              |                    |           |           | A       | Appeal       |          |            |              |              |       |                 |                     |          |         |     |   |
| <del>                                     </del>                                                                |              |          |            |          |          |         |           |            |                 |          |              |          |                      |              |                    |           | -{        |         |              |          |            |              | $\dashv$     |       |                 |                     |          |         |     |   |
| = Allowed                                                                                                       |              |          |            |          |          |         |           |            | + Restricted    |          |              |          |                      |              | I Interference     |           |           |         | 0            | C        | Obje       | ecte         | d            |       |                 |                     |          |         |     |   |
| L- <u></u>                                                                                                      |              |          |            |          |          |         |           |            | Ш               |          |              |          |                      |              | L                  |           |           |         |              |          | J          | Ш            |              |       |                 |                     |          |         |     |   |
|                                                                                                                 | Claim C Dat  |          |            |          |          |         | ite       |            |                 |          | Claim        |          |                      |              | Date               |           |           |         |              | С        | laim       | 1            |              | Date  |                 |                     |          |         | ]   |   |
|                                                                                                                 |              | <u>a</u> | 2          |          |          | T       |           |            |                 |          |              | a        |                      |              |                    | Т         | T         |         |              |          | <u>a</u>   |              |              |       | П               |                     |          |         | ]   |   |
|                                                                                                                 | Final        | Original | 10         |          |          |         |           |            |                 |          | Final        | Original |                      |              |                    | İ         |           |         |              | Final    | Original   |              |              | İ     |                 |                     |          |         |     |   |
|                                                                                                                 | "            | ŏ        | 11         |          |          |         |           |            |                 |          | "            | ŏ        |                      |              |                    |           |           |         |              | "        | ō          |              |              |       |                 |                     |          |         |     |   |
| ħ                                                                                                               |              | 1        | V          |          |          |         |           |            |                 |          |              | 51       |                      |              |                    | 1         | 1         | I       |              |          | 101        |              |              |       |                 |                     |          |         | 1   |   |
| ci<br>si                                                                                                        |              | 2        | 1          |          | $\dashv$ | +       | $\bot$    | $\vdash$   |                 | 4        |              | 52<br>53 |                      |              |                    | +         | +         | -       | $\vdash$     | <u> </u> | 102<br>103 | $\vdash$     | +            | _     | $\vdash \vdash$ | $\dashv$            | <u> </u> | +       | -   |   |
| -<br>e                                                                                                          |              | 3        | <<         | Н        | $\vdash$ | +       | +         | $\vdash$   | $\vdash$        | $\dashv$ | $\vdash$     | 54       | _                    | +            | $\vdash$           | +         | +         | +       | H            |          | 103        | H            | +            | +     | H               | $\dashv$            | +        | +       | -   |   |
|                                                                                                                 |              | 5        | ٧          |          |          |         |           |            |                 |          |              | 55       |                      |              |                    | 1         |           |         |              |          | 105        |              |              |       |                 |                     |          |         | ]   |   |
|                                                                                                                 |              | 6        | V          |          |          | 1       | _         | <u> </u>   |                 | 4        |              | 56       | _ _                  | -            | $\perp$            | 1         | 4         | - -     | Ш            | _        | 106        | <b> </b>     |              | -     | $\sqcup$        | 4                   | _        |         |     |   |
| •                                                                                                               |              | 7<br>8   | Û          |          | $\vdash$ | +       | +         | +          | ╁┼              | $\dashv$ | <del></del>  | 57<br>58 |                      | +-           |                    | ╁         | +         | +-      | H            | -        | 107<br>108 | $\vdash$     | +            | +     | $\vdash$        | $\dashv$            | $\dashv$ | +       | 1   |   |
|                                                                                                                 |              | 9        | 0          |          | $\vdash$ | +       | +         | -          |                 | -        |              | 59       |                      |              |                    | +         | +         | +       | $\Box$       |          | 109        |              |              | †     | $\Box$          | 1                   |          | 1       | 1   |   |
|                                                                                                                 |              | 10       |            |          | $\dashv$ | $\perp$ | 工         | F          |                 |          |              | 60       |                      | ļ            |                    | $\bot$    | $\perp$   | $\perp$ |              |          | 110        |              | 4            |       |                 |                     |          | Τ.      |     |   |
| ·                                                                                                               | <u> </u>     | 11<br>12 | <b>V V</b> |          | -        |         | +-        | +          |                 | 4        | -            | 61<br>62 |                      | ┿            |                    | +         | +         |         | H            | -        | 111<br>112 | -            | -            |       | $\vdash$        | -                   | -        | +-      | -   |   |
| į                                                                                                               |              | 13       | 1/         |          | $\Box$   | $\top$  | $\dagger$ | $\vdash$   | H               | $\dashv$ |              | 63       | $\dashv$             | +            |                    | $\dagger$ | $\dagger$ | +       | H            |          | 113        | $\vdash$     | $\dashv$     | +-    | $\forall$       | $\dashv$            | 十        | ╁       | 1   |   |
| •                                                                                                               |              | 14<br>15 | Q          |          |          | $\perp$ |           |            |                 |          |              | 64       |                      |              |                    | 1         | 1         |         |              |          | 114        |              |              |       |                 |                     |          |         | ] . |   |
|                                                                                                                 |              | 15<br>16 | X          | _        | -        | +       | ╬         | -          | ╀               | 4        |              | 65<br>66 | +                    | +            | +                  | +         | +         | +       | Н            | _        | 115<br>116 |              | +            | +     | $\vdash$        | $\dashv$            | +        | +       | -   |   |
|                                                                                                                 | <del></del>  | 17       | 8          | -        | +        | +       | ┿         | +-         | -               | ┪        |              | 67       | +                    | +            | $\vdash$           | +         | +         | +       | H            | -        | 117        | $\forall$    | +            | ╁     | H               | $\dashv$            | +        | +       | †   |   |
|                                                                                                                 |              | 18       | U          |          |          |         |           | 1          |                 |          |              | 68       |                      |              |                    | 1         |           |         |              |          | 118        |              |              |       |                 |                     |          |         | 1   |   |
| 4                                                                                                               | <u> </u>     | 19<br>20 | 0          |          | $\vdash$ | _       | +         | +          | $\vdash$        | 4        | -            | 69<br>70 | +                    | -├           | +                  | +         | _         | - -     |              | -        | 119<br>120 |              | -            | -     | $\vdash$        |                     |          | +       | 1   |   |
| E                                                                                                               | <u> </u>     | 21       | 7          |          | $\vdash$ | +       | ╁         | ╁┈         | $\vdash$        | $\dashv$ | -            | 71       | +                    | +            | -                  | ┿         | +         | +       | H            | -        | 121        | +1           | +            | -     | H               | -                   | $\dashv$ | +       | -   |   |
|                                                                                                                 |              | 22       | 0          |          |          |         |           |            |                 |          |              | 72       |                      |              |                    | I         |           |         |              |          | 122        |              |              |       |                 |                     |          |         |     |   |
|                                                                                                                 | <u> </u>     | 23<br>24 | 0          |          |          | +       | $\bot$    | -          | $\vdash$        | -        | <u> </u>     | 73<br>74 | _                    | <del> </del> |                    | 4         | -         | - -     |              | _        | 123<br>124 |              | +            | -     | $\vdash$        | -                   | -        | +-      | 1   |   |
| ø                                                                                                               |              | 25       | 0          |          | $\vdash$ | +       | ╁         | +          | $\vdash$        | -        | <u> </u>     | 75       | +                    |              |                    | ╅         | +         |         | $\vdash$     | -        | 125        | H            | +            |       | H               | -                   | +        | +       | 1   |   |
|                                                                                                                 |              | 26       | 0          |          |          |         | 工         |            |                 |          |              | 76       |                      |              |                    | 1         | $\perp$   |         |              |          | 126        |              |              |       |                 |                     |          |         | ]   |   |
| •                                                                                                               | ļ            | 27       | Ÿ          |          | $\sqcup$ | +       | $\bot$    | ╀-         | $\vdash \vdash$ | 4        | <u> </u>     | 77<br>78 |                      |              |                    | 4         | -         | - -     | <del>-</del> | -        | 127        |              | _            | -     | $\vdash$        | 4                   | -        | +       | -   |   |
| C                                                                                                               | <u> </u>     | 28<br>29 | Ö          | -        | -        | +       | ╁         | ╫          | $\vdash$        | -        | <del> </del> | 79       | _                    | +            | -                  | +         | $\dashv$  | +-      | -            |          | 128<br>129 |              | +            | +     | Н               | $\dashv$            | +        | +       | 1   |   |
|                                                                                                                 |              | 30       | Ü          |          |          |         |           |            |                 |          |              | 80       |                      |              |                    | $\perp$   |           |         |              |          | 130        |              |              |       |                 |                     |          | 上       | ]   |   |
|                                                                                                                 | <u> </u>     | 31       |            |          |          | +       | +         | -          | $\vdash$        | 4        | <u> </u>     | 81       | _                    | ╁            |                    | $\bot$    | 4         | +       | Ш            | _        | 131        | Ш            | +            | -     | $\vdash$        |                     | _        | $\perp$ | -   |   |
|                                                                                                                 | <del> </del> | 32<br>33 | Н          | H        | $\dashv$ | +       | ╁         | ╁          | $\vdash$        | -        | -            | 82<br>83 | -                    | +-'          | $\vdash$           | ╁         | +         | +       | H            | $\vdash$ | 132<br>133 |              | +            | ╬     | $\vdash$        | -                   | $\dashv$ | +       | -   |   |
|                                                                                                                 |              | 34       |            |          |          |         | T         |            |                 | j        |              | 84       |                      |              |                    | $\perp$   | $\top$    |         |              |          | 134        |              | $\top$       |       |                 |                     |          | T       | j , |   |
|                                                                                                                 |              | 35       |            |          | $\Box$   | $\bot$  | 1         | _          |                 | _        | <u> </u>     | 85       | _                    | ļ            |                    | 4         |           | 1       |              | <u></u>  | 135        |              |              | 4_    |                 |                     | _        | 1       |     |   |
|                                                                                                                 |              | 36<br>37 | $\vdash$   | Н        | $\dashv$ | +       | +         | +          | $\vdash$        | ┨        | $\vdash$     | 86<br>87 | +                    | +-           | $\vdash$           | +         | +         | +       | H            | $\vdash$ | 136<br>137 | Н            | +            | +     | $\vdash$        | $\dashv$            | +        | +       | 1   |   |
|                                                                                                                 |              | 38       |            |          |          |         | 1         |            | 厅上              |          |              | 88       |                      |              |                    | T         | 1         | $\top$  | $\Box$       |          | 138        |              |              |       |                 |                     |          | †       |     |   |
|                                                                                                                 |              | 39       |            |          | $\Box$   | $\perp$ |           | lacksquare |                 |          |              | 89       | $\bot\!\!\!\!\!\bot$ | igspace      |                    | $\perp$   | 7         | $\prod$ |              |          | 139        |              | 4            | 1     |                 | $\neg$              | _        | $\bot$  |     |   |
|                                                                                                                 |              | 40<br>41 | -          |          | -+       | +       | ╁         | ╁          | ╂┷┼             | $\dashv$ |              | 90<br>91 |                      | +            | _                  | ┿         | +         | +       | H            | -        | 140<br>141 |              | _            | ╫     | $\vdash$        | $\dashv$            | - -      | +-      | {   |   |
|                                                                                                                 |              | 42       |            |          | $\top$   | 1       | ╁         | ╁╌         |                 | 1        | -            | 92       |                      |              | $\vdash$           | $\dagger$ | $\dashv$  | +       | $\Box$       |          | 142        | H            | $\top$       |       | $\Box$          | $\exists$           | $\top$   | T       | 1   |   |
|                                                                                                                 |              | 43       | $\Box$     |          | $\Box$   | $\bot$  | $\perp$   | lacksquare | $\Box$          | 7        |              | 93       | $\bot$               |              | $\Box$             | 1         | $\bot$    | $\bot$  |              |          | 143        |              |              |       |                 | $\Box$              | $\perp$  | $\bot$  | ]   |   |
|                                                                                                                 |              | 44<br>45 | $\vdash$   | Н        | $\dashv$ | +       | +         | +          | +-              | $\dashv$ | -            | 94<br>95 | +                    | +            | $\vdash$           | +         | +         | +-      | H            | -        | 144<br>145 |              | +            | +-    | $\vdash$        | $\dashv$            | +        | +       | 1   |   |
|                                                                                                                 |              | 46       |            | Н        |          | _       | _         | T          |                 | Ⅎ        |              | 96       | _                    | 1            |                    | †         | _         | $\top$  |              |          | 146        | $\Box$       | $\top$       | $\pm$ |                 | $\exists^{\dagger}$ | _        | 1       | 1   |   |
|                                                                                                                 |              | 47       |            |          |          | $\bot$  | T         | F          |                 |          |              | 97       |                      |              |                    | Ţ         | 7         |         |              |          | 147        |              |              |       | $\square$       | $\Box$              | $\top$   | T       |     |   |
|                                                                                                                 |              | 48<br>49 | -          | $\dashv$ | $\dashv$ |         | +         | +-         |                 | -        | <u> </u>     | 98<br>99 | -                    | +            |                    | +         | +         | +       | H            | -        | 148<br>149 |              | +            | +-    | +               | $\dashv$            | +        | +       | -   |   |
|                                                                                                                 |              | 50       |            | Н        | +        | +       | +-        | $\dagger$  | $\vdash$        | $\dashv$ | -            | 100      | +                    | +            | +                  | +         | +         | +-      | H            | -        | 150        |              | +            | +     | +               | $\dashv$            | +        | +       | 1   |   |
|                                                                                                                 |              |          |            |          |          |         |           | •          |                 |          |              |          |                      |              |                    |           | _         |         |              |          |            |              |              |       |                 |                     |          |         | _   |   |